APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300860011-9

Van'yan, L. L., Terekhin, E. I., and Shtimmer, A. I.
METHODS FOR CALCULATING THE FREQUENCY-SOUNDING WAVE CURVES. [1964] 9p 4refs
Order from OTS, SLA, or ETC $1.10 TT-64-10977

Trans. of Prikladnaya Geofizika (USSR) 1961, no. 30, p. 92-102.

(Earth Sciences--Geodesy, TT, v. 12, no. 1)

TT-64-10977

I. Van'yan, L. L.
II. Terekhin, E. I.
III. Shtimmer, A. I.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300860011-9

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Van'yan, L. L., Kaufman, A. A., and Terekhin, E. I.
CALCULATING THE FREQUENCY-SOUNDING PHASE CURVES BY THE TRANSFORMATION METHOD.
[1964] 9p 5refs
Order from OTS, SLA, or ETC $1.10 TT-64-10976

Trans. of Prikladnaya Geofizika (USSR) 1961, no. 30, p. 103-114.

(Earth Sciences--Geodesy, TT, v. 12, no. 1)

TT-64-10976

I. Van'yan, L. L.
II. Kaufman, A. A.
III. Terekhin, E. I.

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300860011-9

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Salikhov, A. G.
RAPID METHOD OF CALCULATING THE DEPTH OF OCCURENCE OF RECTANGULAR-PRISM-SHAPED BODIES DISTURBING THE GRAVITATIONAL FIELD.
[1953] 13p.
Order from ATS $14.25 ATS-83Q69R

Trans. of Prik[adnaya] Geofiz[ika] (USSR) 1961, no. 31, p. 230-247.

DESCRIPTORS: *Gravity anomalies, Prismatic bodies, Mathematical analysis.

(Earth Sciences--Geodesy, TT, v. 10, no. 6)

63-17762

I. Salikhov, A. G.
II. ATS-83Q69R
III. Associated Technical Services, Inc., East Orange, N. J.

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300860011-9

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Applied Geophysics USSR, edited by Nicholas Rast, 429 pp.

RUSSIAN, bk, Prikladnaya Geofizika, 1962.

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Lib of Congress Card No 60-53385

Sci - Geophys

Sep 62

CIA Lib No TN
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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300860011-9

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Polyakov, E. A.
THE THEORY OF TRANSMISSION WITHOUT WIRES OF ELECTRICAL SIGNALS FROM THE BOTTOM OF THE HOLE TO THE SURFACE DURING DRILLING. [1963] 11p.
Order from ATS $16.25 ATS-51(68R

Trans. of Prikl[adnaya] Geofiz[ika] (USSR) 1962, no. 32, p. 142-154.

DESCRIPTORS: *Well drilling, Surfaces, Boreholes, *Communication systems, Electrical equipment, Signals, Transmission, Theory, *Well logging.

(Engineering, TT, v. 10, no. 6)

63-17334

I. Title: Boring
I. Polyakov, E. A.
II. ATS-51(68R
III. Associated Technical Services, Inc., East Orange, N. J.

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300860011-9

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Glumov, I. F. and Dobrynin, V. M.
VARIATION IN ELECTRICAL RESISTIVITY OF WATER-SATURATED ROCKS UNDER THE INFLUENCE OF ROCK AND FORMATION PRESSURE.
[1963] 15p.
Order from ATS $10.75 ATS-64Q71R

Trans. of Prikl[adnaya] Geofiz[ika] (USSR) 1962, no. 33, p. 190-204.

DESCRIPTORS: *Rock (Geology), *Resistance (Electrical), Water, Impregnation, Pressure, *Geophysics.

(Earth Sciences--Geology, TT, v. 11, no. 1)

TT-63-22351

I. Glumov, I. F.
II. Dobrynin, V. M.
III. ATS-64Q71R
IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300860011-9

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Orlov, L. I. and Gimaev, R. S.
EFFECT OF OVERBURDEN PRESSURE ON THE ELECTRICAL RESISTIVITY OF CARBONATE ROCKS. [1963] 5p
Order from ATS $6.75 ATS-65Q71R

Trans. of Prikl[adnaya] Geofiz[ika] (USSR) 1962, no. 33, p. 206-212.

DESCRIPTORS: *Carbonate minerals, *Rock (Geology), Loading (Mechanics), Electrical properties, *Resistance (Electrical), Weight, Pressure, *Geophysics.

(Earth Sciences--Geology, TT, v. 10, no. 10)

63-22581

I. Orlov, L. I.
II. Gimaev, R. S.
III. ATS-65Q71R
IV. Associated Technical Services, Inc., East Orange, N. J.

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300860011-9

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Kal'varskaya, V. P. and Lonskii, A. V.
AN APPARATUS FOR LOGGING MAGNETIC SUSCEPTIBILITY. [Jan 64] 11p
Order from ATS $10.85 ATS-64Q73R

Trans. of Prik[adnya] Geofiz[ika] (USSR) 1962, no. 33, p. 213-224.

DESCRIPTORS: *Well logging, Magnetic properties, Geophysical prospecting.

(Earth Sciences--Geology, TT, v. 11, no. 10)

TT-64-12404
I. Kal'varskaya, V. P.
II. Lonskii, A. V.
III. ATS-64Q73R
IV. Associated Technical Services, Inc., East Orange, N. J.

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On the Separation of Low Intensity Waves With the Aid of the Adjustable Directional Reception Method (ADR), by L.A. Ryabinkin, V.V. Znamenskii. 19 pp. RUSSIAN, per, Prikladnaya Geofizika, No 34, 1962, pp 3-22.
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May 67

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Nemtsov, L. D.
THE PROSPECTS OF HIGH-PRECISION GRAVITY PROSPECTING IN THE SEARCH FOR OIL. [1963] 11p
Order from ATS $14.85 ATS-92Q71R

Trans. of Prikl[adnaya] Geofiz[ika] (USSR) 1962, no. 35, p. 142-156.

DESCRIPTORS: Oils, *Geophysical prospecting, Gravity, Precision equipment.

(Earth Sciences--Geology, TT, v. 11, no. 3)

TT-63-22927

I. Nemtsov, L. D.
II. ATS-92Q71R
III. Associated Technical Services, Inc., East Orange, N. J.

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300860011-9

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Evaluation of Accuracy of Gravimetric Maps, by
M. V. Abdulov. 253pp
RUSSIAN, per, Prikl Geofizika, No 36, 1963.
ACIC
TC-833

Sci - Earth Sci & Astron
Dec 64

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300860011-9

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INfluence of Vertical Accelerations on Gravimeter Readings, by V. O. Bargamyants. 25 3pp
RUSSIAN, per, Prikl Geofizika, No 36, 1963.
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TC-834

Sci - Earth Sci & Astron
Dec 64

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Variation of Gravimeter Readings Under the Effect of Vertical Oscillations of Its Base, by P. I. Lukavchenko. RUSSIAN, per, Prikl Geofizika, No 36, 1963. 253 pp
ACIC
TC-835

Sci - Earth Sci & Astron
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A Statistical Estimate of the Accuracy of Averaging up the Disturbed Value of the Gravitational Acceleration for a Finite Period of Time, by Yu.A.Zarakhovich.
RUSSIAN, per, Prikladnaya Matematika, No.37, pp. 135-146, 1963.
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A. Ye. Kulinkovich

Demarcation of Stratal Boundaries and Identification of Sandstones by Means of Digital Computers According to Electric Logging Data.
RUSSIAN, per, Prikladnaya Geofizika, No 39, 1964, pp 107-113.
NTC 72-14058-08G

Nov 72

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Measurement of Elements of the Gravitational Field While in Motion, by K. Ye. Vesnlov, 10 pp.
RUSSIAN, per, Prikladnaya Geofizika, No 40, 1964, pp. 120-126.
JPRS 30334.

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Sci-EE/A
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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300860011-9

Ginzburg, I. P.
APPLIED FLUID DYNAMICS, tr. by Albert Barouch. 1963, 258p. 69 refs. PL-480 NASA; NASA TT-F-94. Order from OTS $2.75 62-11032

Trans. of mono. Prikladnaya Gidrogazodinamika, Leningrad, 1958 [337p.].

DESCRIPTORS: *Fluid mechanics, *Hydrodynamics, *Hydraulic research, Equations of motion, Fluid flow, Pipes, Stability, Turbulence, Gas flow, Friction, Continuum mechanics.

This book discusses some of the problems of fluid mechanics which are frequently met with in the engineering design of various machine assemblies and engineering installations. The author examines the steady and unsteady flow of liquids and gases in pipes, their efflux from vessels, problems of the determina-
(Mechanics--Hydraulics, TT, v. 9, no. 12) (over)

62-11032

I. Ginzburg, I. P.
II. PL-480 NASA (62-11032)
III. NASA TT-F-94
IV. National Science Foundation, Washington, D. C.

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Applied Fluid Dynamics, by I. P. Ginzburg, 258 pp.

RUSSIAN, bk, Prikladnaya Gidrogazodinamika, 1958.

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Applied Magnetic Hydrodynamics, 139 pp.

RUSSIAN, bk, Prikladnaya Magnitogidrodinamika, 1956
131 pp.

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Sci - Physics
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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300860011-9

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The Application of Gälerkin's Method to the Problem of the Steadiness of the Flow of a Viscous Liquid, by G. I. Petrov.
RUSSIAN, per, Prikladnaya Matematika i Mekhanika, Vol 4, No 8, 1940, pp 3-11.
NLL RTS 3160

Sci - Mech
Sept. 67 340,383

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On the mechanics of plastic solids by Applied Mathematics and Graduate Division, Brown University
U.S. Navy Dept David W. Taylor Model Basin
Providence, R.I. [illegible]-15 1947 8p

Trans. from Prikladnaia Matematika i Mekhanika. 4, 37-42 (1940)

[illegible] 52,708

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300860011-9

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Development and Present State of the Theory of Plasticity, by G. K. Genki, 11 pp.

RUSSIAN, no per, Prik Mat i Mekh, Vol IV, No 3, 1940, pp 31-36.

Sci Tr Center RT-239

Scientific - Physics

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The Pressure of a Plastic Solid on a Rigid Wedge, by V. V. Sokolovskiy, 24 pp.

RUSSIAN, per, Prik Mat i Mekh, Vol IV, No 5-6, 1940, pp 19-34.

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Scientific - Physics
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Steady Vibrations of Wing of Circular Plan Form and Theory of Wing of Circular Plan Form, by N. E. Kochin

RUSSIAN, par, Prikl. Mat. Mekh., Vol 6, pp 287-316, Vol 4, pp 3-32, 1942; 1940.

NACA, Washington
Tr No 1134 1341

Scientific - Engineering

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300860011-9

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300860011-9

On the Application of Hooke's Law to Rubber, by N. I. Glagolev, 9 pp.

RUSSIAN, per. Prik Mat i Mekh, Vol IV, No 5-6, 1940, pp 123-127.

Sci Trans Center RT-283

Scientific - Physics
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Plane Strain in the Case of Linear Strain Hardening, by A. Yu. Ishlinskiy, 24 pp.

RUSSIAN, no per, Prik Mat i Mekh, Vol V, No 1, 1941, pp 57-70.

Sci Tr Center RT-355

Scientific - Physics

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300860011-9

Prik Mat i Mekh Vol 5, # 2 (1941)

Influence of Period of Lattice on Hydrodynamic Characteristics

N. E. Kochin

In process - ARC
(Secrecy - Jan 51)

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300860011-9

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Construction of Airfoils by the Hodograph Method, 42 pp. by L.A. Simonov

RUSSIAN, per, Prik Matemat i Mekh, Vol V, No 2, 1941, pp 193-222.

Sci Tr Center
RT-1465

Scientific - Mathematics

18,941

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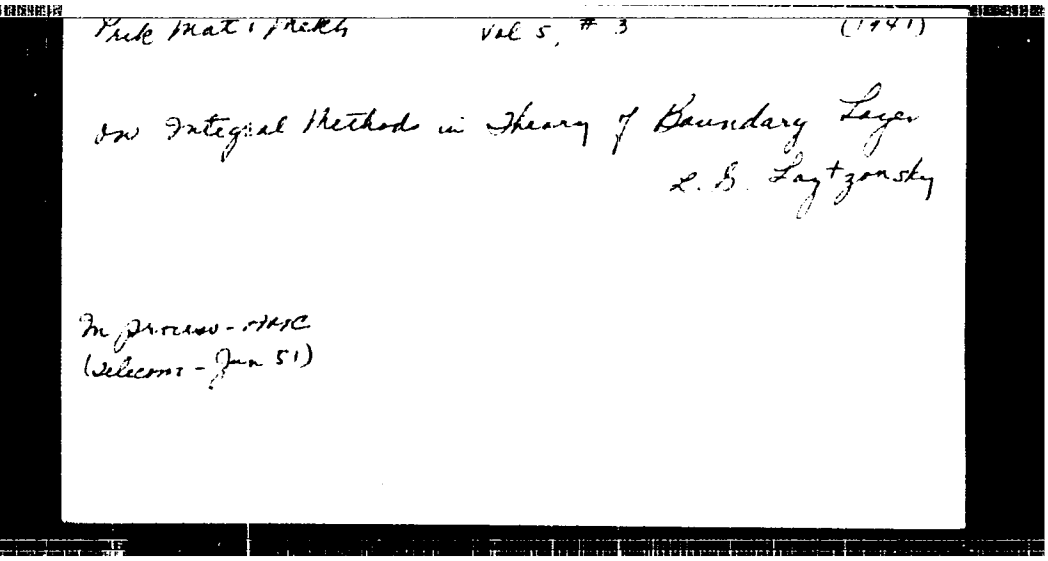

Prikl Mat i Mekh Vol 5, # 3 (1941)

On Integral Methods in Theory of Boundary Layer

L. S. Leytzansky

In process - NASC
(Welcome - Jun 51)

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300860011-9

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On B. G. Galerkin's Method in the Calculus of Variations and the Theory of Elasticity, by I. A. Perel'man.
UNCLASSIFIED

RUSSIAN, per, Prik Matemat i Mekh, Vol V, No 3, 1941,

*Navy/APL

Sci - Physics
Feb 60

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300860011-9

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The Plastic-Elastic State of Solids, by L. M. Kachanov, Paper 13 pp.

RUSSIAN, no per, Prik Mat i Mekh, Vol V, No 3, 1941, pp 431-438.

Sci Tr Center RT-282

Scientific - Physics

10, 130

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Application of the Theory of Plasticity to the Rolling of Metals, by K. N. Shevchenko, 20 pp.

RUSSIAN, mo per, Prik Mat i Mech, Vol V, No 3, 1941, pp 439-452.

Sci Tr Center RT-348

Scientific - Physics

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On Integral Methods in the Theory of the Boundary Layer, by L. G. Loytyanskiy.
RUSSIAN, per, Prik Mat Mekh, Vol 5, 1941, pp 453-470.
AEC 127-64
(ANL-Trans 579

Sci-Math
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Three Dimensional Flow in Hydraulic Turbines,
by L. A. Simonov, 33 pp.

RUSSIAN, bomp per, Prik Matemat i Mekh, Vol V,
No 3, 1941, pp 471 - 488.

AMC F-TS-7476

Scientific - Engineering

Dec 1951 CTS

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300860011-9

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Application of Galerkin's Method to the Socalled Procedure of Reduction to Ordinary Differential Equations, by L. V. Kantorovich.
RUSSIAN, per, Prikl Mat Mekh, Vol 6, 1942, pp 31-40.
AEC ANL-Trans-578

Sci-Math
Jul 68

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Theory of Stability of Thin Elastic Anisotropic Plates of Variable Rigidty, by P. G. Shulezhko.
RUSSIAN, per, Prikladnaya Mathematika i Mekhanika, Vol 7, No 2-3, 1942, pp 139-150.
*NASA TT F-11,346

Sci-Mech
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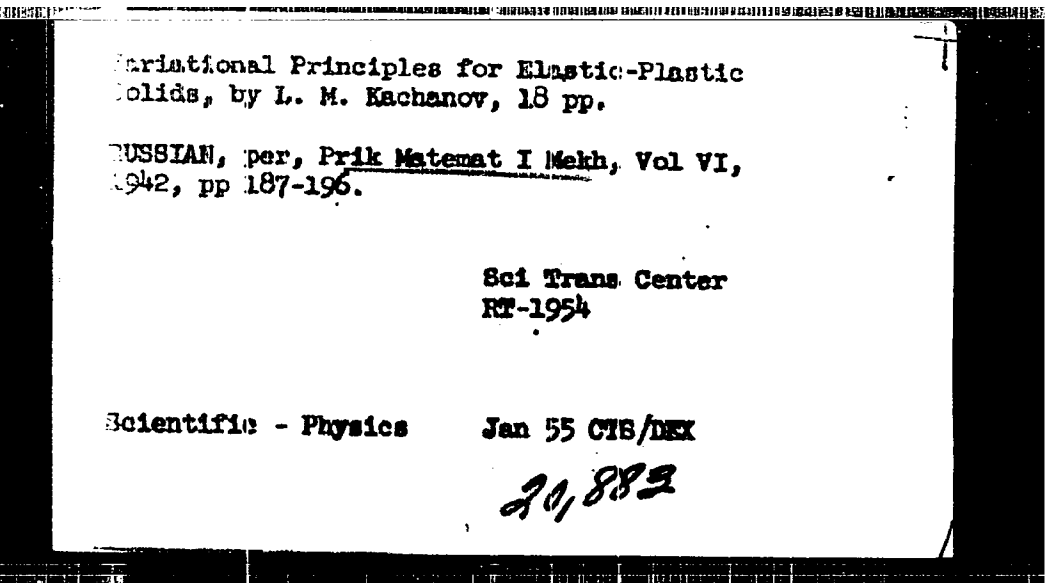

Variational Principles for Elastic-Plastic Solids, by L. M. Kachanov, 18 pp.

RUSSIAN, per, Prik Matemat I Mekh, Vol VI, 1942, pp 187-196.

Sci Trans Center
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On a Problem of Elastic-Plastic Torsion, by V. V. Sokolovskiy, 11 pp.

RUSSIAN, per, Prik Matemat i Mekhanika, Vol VI, Nos 2, 3, 1942, pp 241-246.

SCI Tr Center
RT-1955

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Scientific - Mathematics Jan 55 CTS/DEK

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300860011-9

On the Distribution of Stresses in a Rolled Bar, by K. N. Shevchenko, 19 pp. UNCLASSIFIED

RUSSIAN, per, Prik Matemat i Mekh, Vol VI, No 5, 1942, pp 381-394.

Sci Tr Center
RT-1797

Jan 55
[redacted] CTS

Scientific - Physics

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I. Malkin

Some basic theorems of the theory of stability of motion in critical cases, 50 pp
RUSSIAN per, Prikladnaya Matematika i Mekhanika, 1942 Vol 6, pp 411-448

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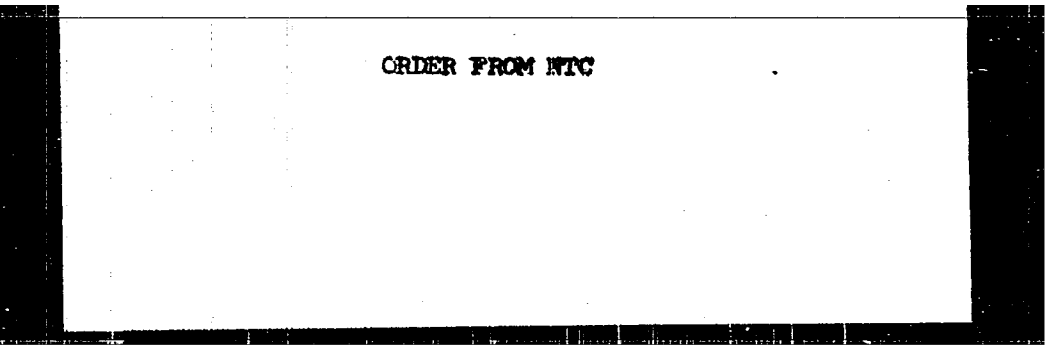

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Boundary Layer in Compressible Gas, by A. Dorodnitsyn, 65 pp.

Full translation.

RUSSIAN, no per, Prik Matemat i Mekh, Vol VI, No 6, 1942, pp 449-486.

NACA M-12716

Sci - Chem

DEK

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Deflection of a Semi-infinite Plate Lying On an Elastic Foundation, by G. S. Shapiro.

RUSSIAN, bimo por, Prikład Matemat i Mekh, Vol VII, 1943.

OCE Tr 48

Scientific - Geophysics CIS 65/Feb 55

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300860011-9

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Chetaev, N. G.
ON SUFFICIENT CONDITIONS OF STABILITY OF ROTARY MOTION OF A PROJECTILE. [1963] 28p (formulae omitted) 2refs
Order from OTS, SLA or FTC $2.60 TT-63-20579

Trans. of Prikladnaya Matematika i Mekhanika (USSR) 1943, v. 7, p. 81-96.

DESCRIPTORS: *Projectiles, Stability, Rotation, Velocity, *Ballistics, Projectile trajectories, Complex variables, Euler's angles, Partial differential equations, Differential equations.

(Engineering--Ordnance, TT, v. 11, no. 4)

TT-63-20579

I. Chetaev, N. G.

Office of Technical Services

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On the Stability of the Visco-Plastic Flow in a Strip and in a Cylindrical Bar, by A. Yu. Ishlinskiy,

RUSSIAN, per, Prik Matemat i Mekhanika, Vol VII, No 2, 1943, pp 109-130

Sci Tr Center
RT-1080

Scientific - Physics

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Prik Phate i Mekh, Vol 7, 1943.

"Elastico-Plastic State of Stress of a Tube Under The Action of Uniform Internal And External Pressure"

Done in G.B. by ACSIL (Admiralty)
49/4663
Y 21552T

See Index Aero, May 1950, p62

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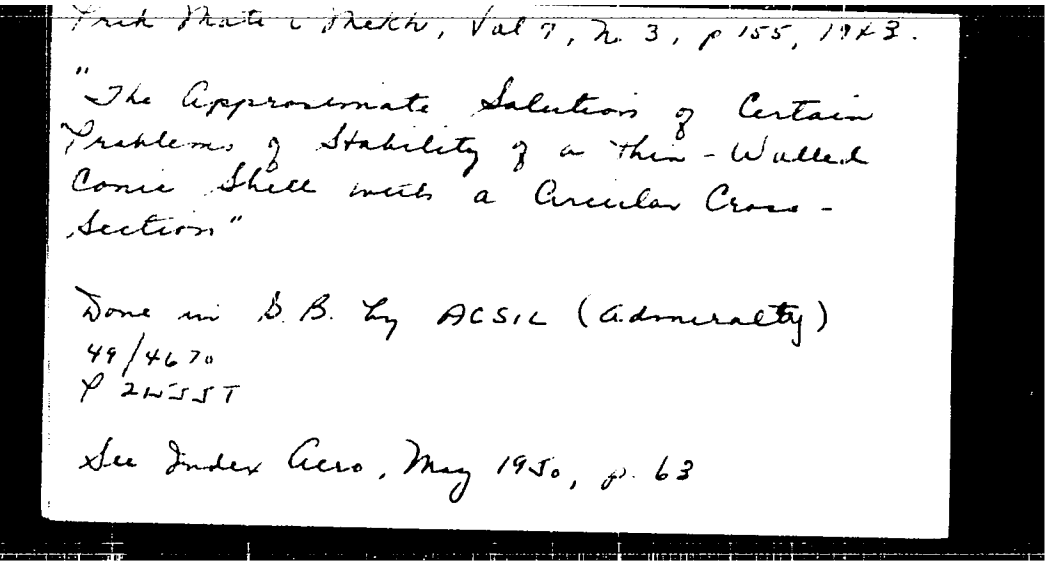

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Novozhilov, V. and Finkel'stein, R.
ON THE ERROR OF THE KIRCHHOFF HYPOTHESIS IN SHELL THEORY (O Pogreshnosti Gipotez Kirkhgofa v Teorii Obolochek). [1962] [31]p. 7 refs.
Order from CTS or SLA $3.60 62-16104

Trans. of Prikladnaya Matematika i Mekhanika (USSR) 1943, v. 7, no. 5, p. 331-340.

DESCRIPTORS: *Elastic shells, Theory, Errors, Elasticity, Deformation, Stresses, Transformations (Mathematics), Differential equations, Mechanics

For the purpose of elucidating the inaccuracies mentioned in the title of this paper the authors develop a theory of shells independent of the Kirchhoff and love hypothesis. This theory generalizes and extends the earlier treatments published by Basset and partly by Kiltchevsky. The results obtained lead to the conclu-
(Mechanics, TT, v. 8, no. 5) (over)

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1. Title: Kirchhoff Hypothesis
I. Novozhilov, V.
II. Finkel'stein, R.

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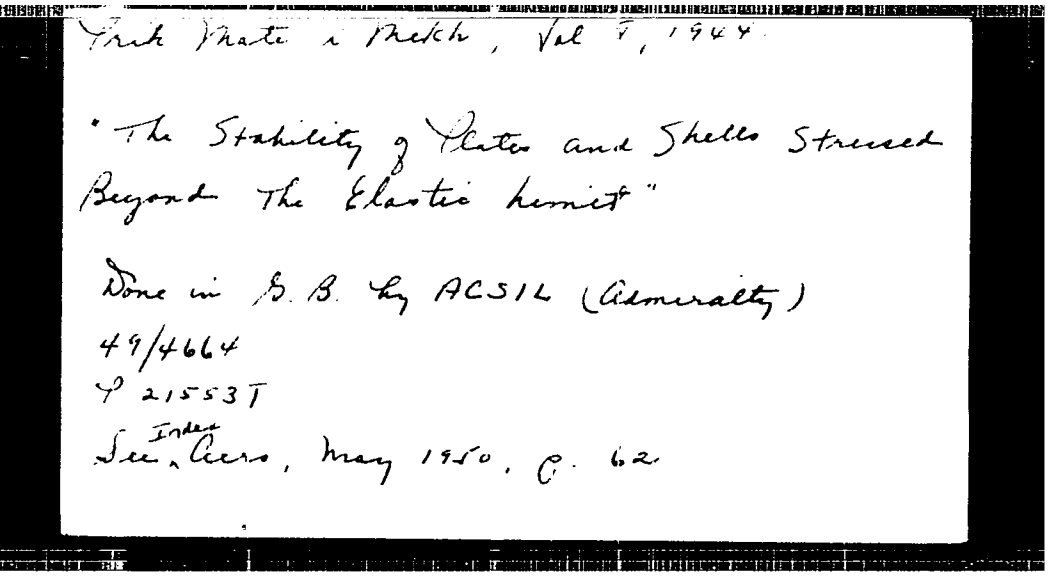

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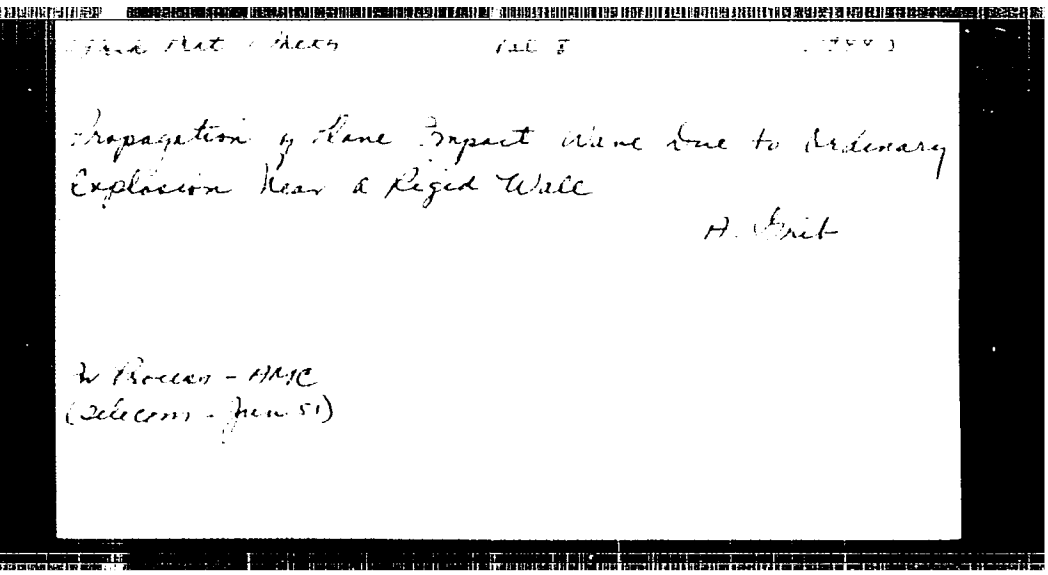

Propagation of Plane Impact Wave Due to Ordinary Explosion Near a Rigid Wall

H. Brode

W Broecker - AMSC
(Telecon - June 51)

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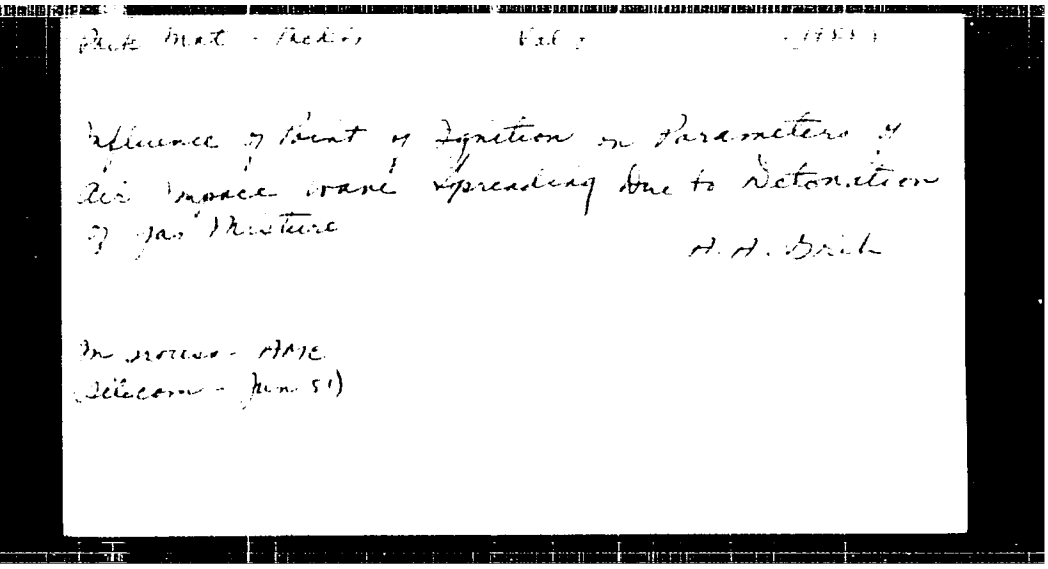

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N. N. Brik

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Release - June 51

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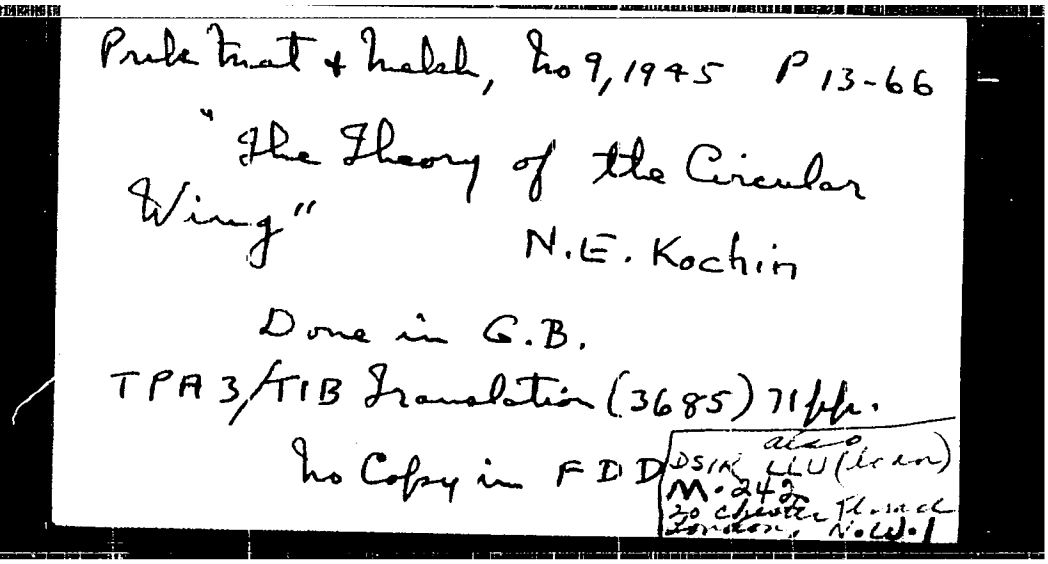

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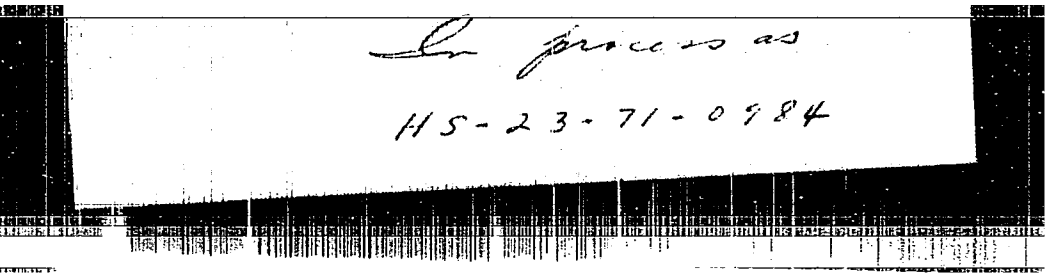

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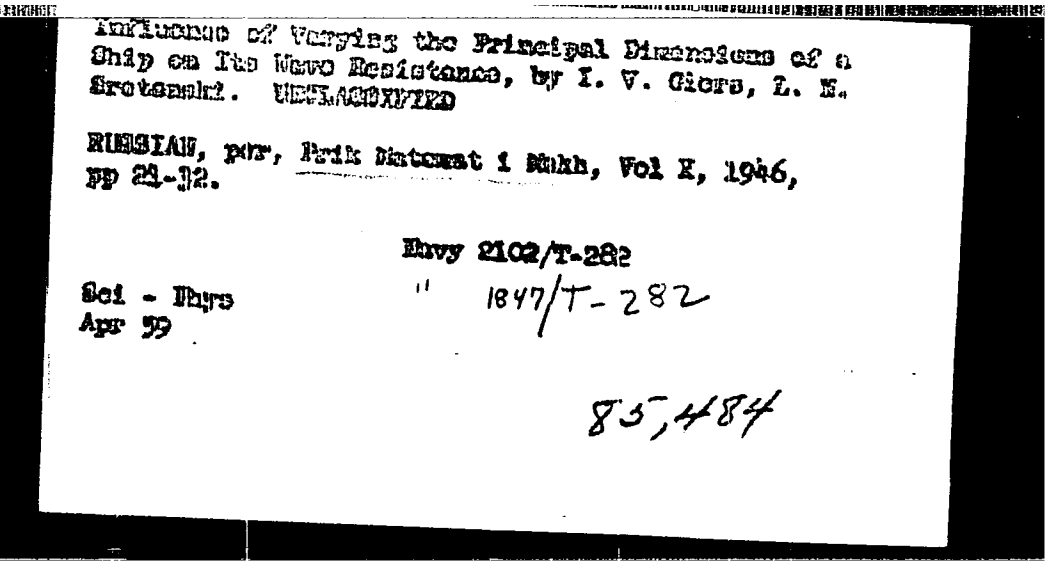

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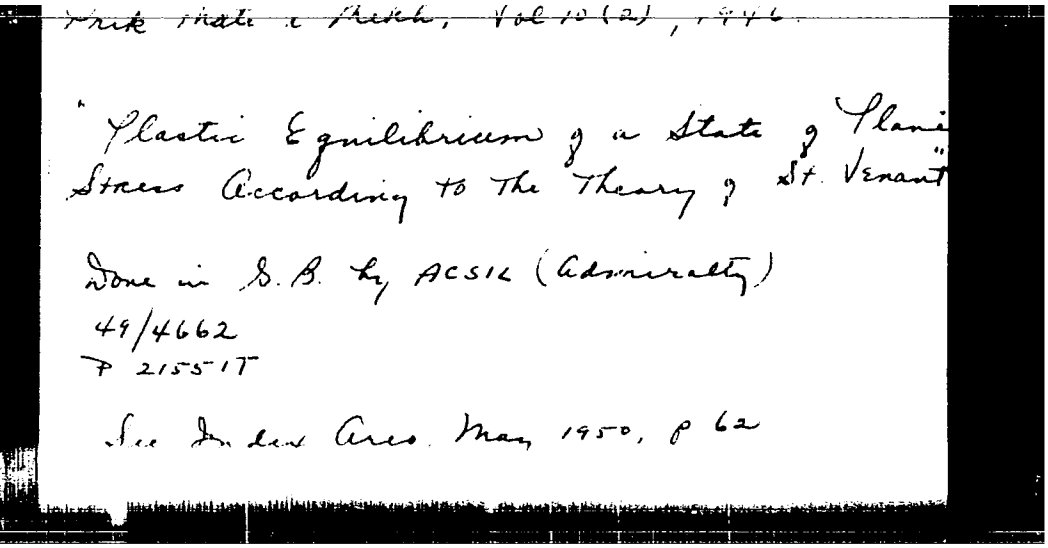

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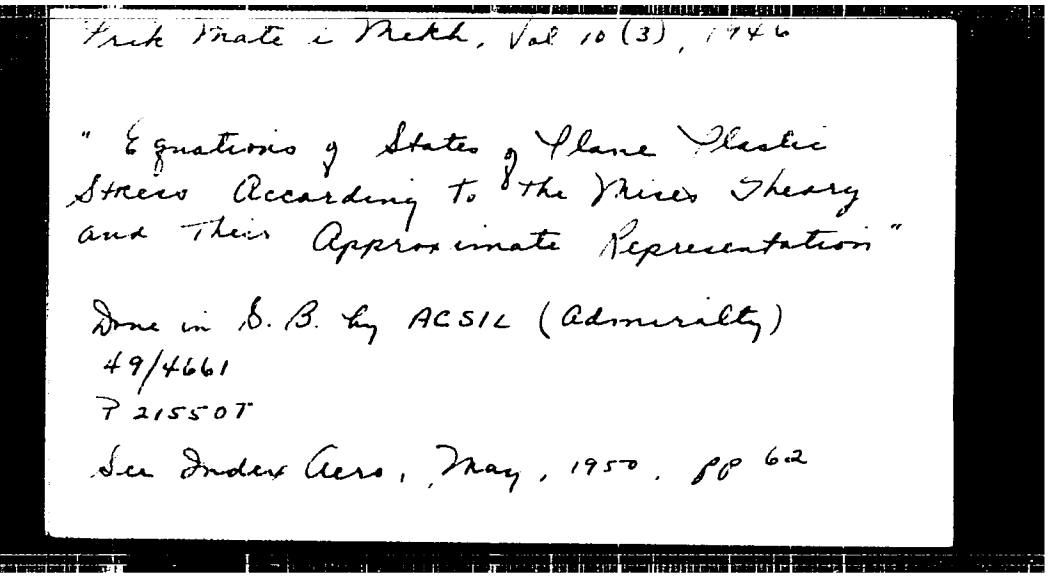

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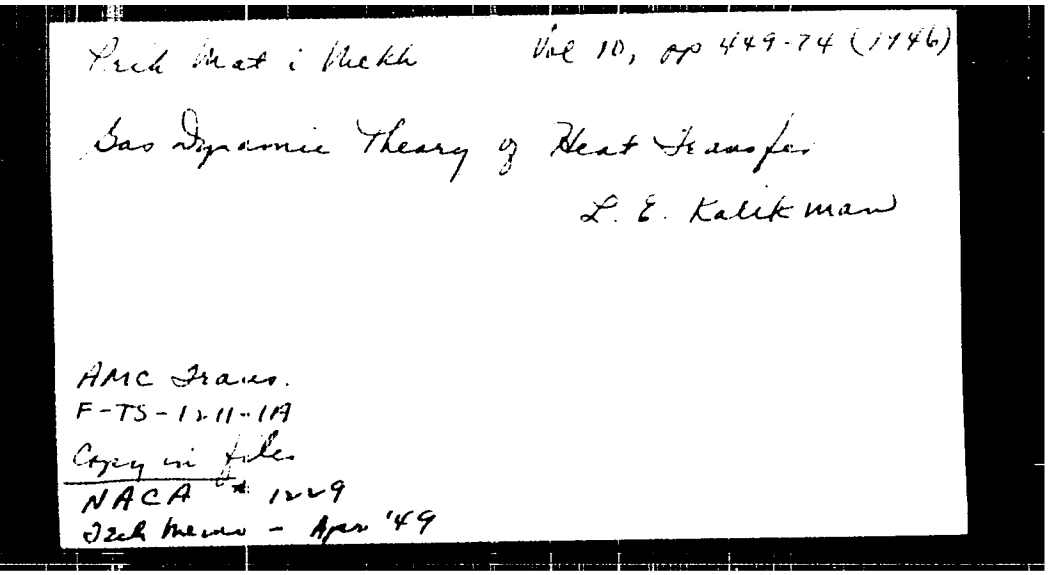

Tech Heat & Mech Vol 10, pp 449-74 (1946)

Gas Dynamic Theory of Heat Transfer

L. E. Kalikmanov

AMC Trans.
F-TS-1211-IA
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NACA # 1209
Tech Memo - Apr '49

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Prik Mat i Mekh Vol 10, (1946)

Flow of a Gas in Local Supersonic Zone
+ Some Conditions for Breakdown of Potential flow.

A. A. NIKOLSKY +
G. I. TAGANOV

ARC Trans.
A9-T-17
1948 - 43 pp.
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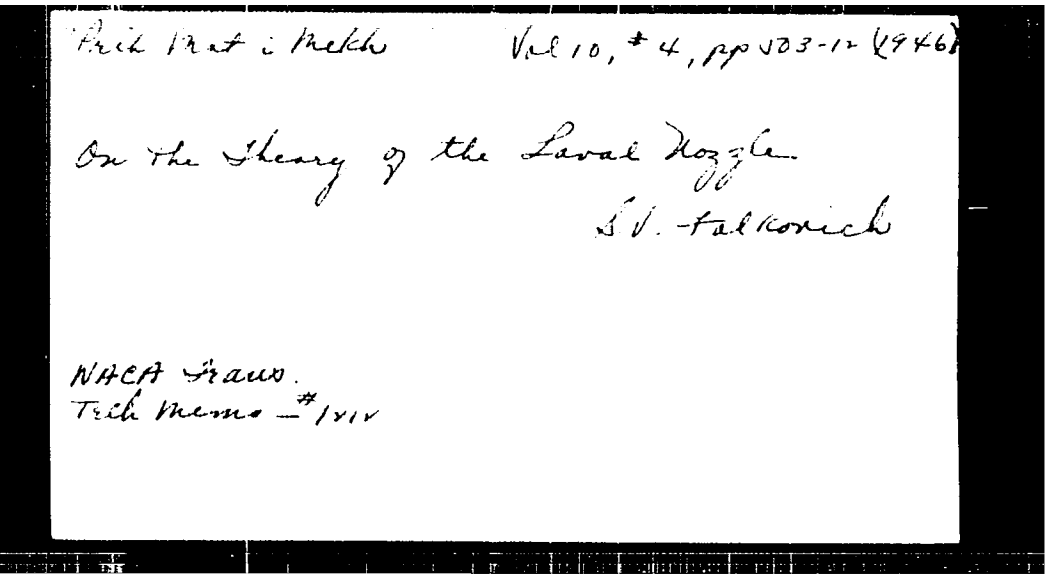

Prik Mat i Mekh Vol 10, # 4, pp 403-12 (1946)

On the Theory of the Laval Nozzle

S. V. Falkovich

NACA Trans.
Tech Memo — #1414

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Prik Mat i Mekh, 1946 P. 513-520

"Lift Force of an Arrow-Shaped Wing" M.I. Gurevich

NACA TM 1245

IA, May 1950, P. 102

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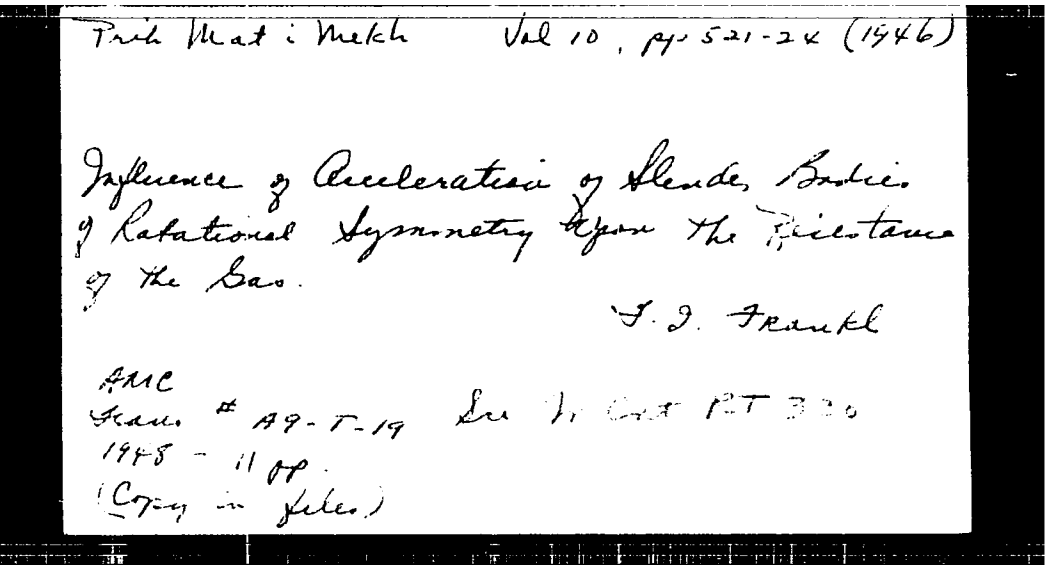

Prik Mat i Mekh Vol 10, pp 521-24 (1946)

Influence of Acceleration of Slender Bodies of Rotational Symmetry Upon the Resistance of the Gas.

S. D. Frankl

AMC
Trans # 49-T-19 See 1, Cat PT 330
1948 - 11 pp.
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Longitudinal vibrations of bars, by G. S. Shapiro.

AEC Trans (avail Brookhaven)

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